

# BOJAN DJOKIC

Cloud Security Architect | SecOps | DevOps Engineer Expert

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## PROFESSIONAL SUMMARY

Microsoft-certified Cloud Security Architect and DevOps Engineer with 10+ years of international experience (Iceland, Norway, Serbia) designing, deploying, and governing secure Azure-based platforms across regulated industries including banking, healthcare, insurance, energy, and retail.

Deep expertise in Zero Trust security architecture, multi-tenant identity federation, fine-grained RBAC (row-level and column-level), managed identity patterns, Key Vault CMK lifecycle management, WAF and API gateway security, container security on AKS, and SIEM-driven audit and compliance. Consistent track record of delivering formal security architecture deliverables, threat models, HLD/LLD, network topology diagrams, data flow diagrams, and security control matrices aligned with the Azure Well-Architected Framework, NIST CSF, CIS benchmarks, HIPAA, and ISO 27001.

Proven ability to lead cross-functional teams, engage enterprise stakeholders, and provide pre-sales security architecture guidance.

## Selected CERTIFICATIONS

[Azure Solutions Architect Expert](#) (June 2024) • [Azure DevOps Engineer Expert](#) (July 2023) • [Azure Administrator Associate](#) (July 2023) • [Big Data Specialization](#) (Feb 2018) • MCSE: Cloud Platform and Infrastructure (2016) • Kubernetes Security (CKS) Advanced Training

## KEY SKILLS

**Security Architecture:** Zero Trust, Azure Security Benchmark, CIS Frameworks, NIST CSF, Multi-Tenant Security, Threat Modelling, HLD/LLD, Security Control Matrices, Pre-Sales Architecture

**Identity & Access:** Entra ID, Cross-Tenant Federation, Conditional Access, MFA, PIM, RBAC (Row-Level & Column-Level), Managed Identities, ADFS, PKI, Azure AD App Proxy

**Data Protection & Key Management:** Azure Key Vault, Customer-Managed Keys (CMK), TDE, Secret & Certificate Rotation, TLS 1.3, Encryption at Rest/In Transit, DLP, Dynamic Data Masking, WORM Immutable Audit Logs

**Network & Infrastructure Security:** VNet Segmentation, Private Endpoints, NSG (Deny-by-Default), Azure Firewall, WAF (OWASP CRS), Application Gateway, DDoS Standard, Geo-blocking, Micro-segmentation, DNS Zones

**Container & Application Security:** AKS Security, Kubernetes Network Policies, Pod Security Standards, Image Scanning & Signing, Falco / Azure Defender for Containers, Runtime Security, Podman, CKS Training

**API Security:** Azure API Management (OAuth 2.0, Rate Limiting, Threat Protection), Input Validation, CSRF Protection, OWASP Top 10

**Monitoring, SIEM & Compliance:** Azure Sentinel, Log Analytics, Application Insights, Azure Monitor, Prometheus, Incident Response Playbooks, SOC 2, ISO 27001, GDPR, HIPAA

**DevOps & IaC:** Azure DevOps, GitHub Actions, Terraform, ARM, Pulumi, CI/CD Security Gates, YAML, DevSecOps Automation

**Databases & Cloud:** Azure SQL, Azure Database for PostgreSQL (Security, Encryption, Audit Logging), Azure IaaS/PaaS, Enterprise-Scale Landing Zones, Cloud Adoption Framework

**Business Continuity:** DRaaS, BaaS, Azure Backup, Azure Site Recovery, RTO/RPO Design, Geo-Redundant Storage, Automated Failover

**Programming:** C#, Python, PowerShell

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## PROFESSIONAL EXPERIENCE

Independent Cloud Security Architect | [AetherOps Technologies](#) | Remote *June 2025 – Present*

Providing cloud security architecture and enterprise integration consulting to international clients, with emphasis on Azure security governance and secure-by-design implementations.

### Security-Focused Deliverables:

- Conducted security architecture reviews and risk assessments for hybrid cloud environments using Azure Security Benchmark and CIS Azure Foundations
- Designed secure Azure landing zones with integrated controls: Azure Policy, RBAC, network segmentation, and governance frameworks aligned with Azure DevOps CI/CD
- Developed comprehensive technical security documentation: threat models, security control matrices, High-Level Designs (HLD), and Low-Level Designs (LLD)
- Delivered security assessments aligned with Azure Well-Architected Framework security pillar and NIST Cybersecurity Framework
- Provided pre-sales security architecture guidance for enterprise prospects with focus on Zero Trust principles

### Professional Development:

- Completed Kubernetes Security (CKS) advanced training: pod security standards, network policies, RBAC, secrets management, runtime security
- Azure Database for PostgreSQL security and compliance training: encryption, authentication, access controls, and audit logging
- Conducting research and PoC work on AI workload security architecture for multi-tenant platforms: agent isolation and micro-segmentation with AKS network policies and egress controls; studying prompt injection detection, PII redaction, and OPA-based policy engine authorisation as emerging security controls for LLM agent deployments

**Technologies:** Azure Policy · Azure RBAC · Azure Security Benchmark · Enterprise-Scale Landing Zones · AKS · Container Security · Azure DevOps · PostgreSQL · Network Security · Azure Monitor · Log Analytics · Terraform · ARM

### Lead DevOps Engineer | Luxoft (via DXL Technology) | Belgrade, Serbia February 2025 – May 2025

Client: Optum (U.S. Healthcare – HIPAA Regulated). Delivered enterprise-scale security solutions for healthcare applications across 2,400+ Azure subscriptions.

- Implemented Azure WAF policies protecting healthcare apps from OWASP Top 10 threats (SQL injection, XSS, DDoS)
- Designed Ingress-as-a-Service security architecture ensuring consistent security controls across AKS
- Conducted security analysis across 2,400+ subscriptions identifying misconfigurations and HIPAA compliance gaps
- Developed security automation scripts integrated with GitHub Actions, GHE, CI/CD pipelines
- Applied secure containerisation with Podman including vulnerability scanning and image hardening
- Collaborated with security operations on incident response procedures and HIPAA compliance requirements

**Technologies:** Azure WAF · Azure Policy · AKS Security · GitHub Actions GHE · Terraform · Golang · Podman · Container Security · OWASP · HIPAA

### Lead System Engineer / Architect & DevOps Engineer | EPAM Systems | Belgrade, Serbia September 2023 – February 2025

Delivered secure enterprise architecture for Fortune 500 clients in retail and insurance with focus on security-by-design and DevSecOps.

### Ahold Delhaize (Retail) – Offer Engine Ecosystem Redesign:

- Designed secure-by-design architecture applying Azure Well-Architected Framework security pillar
- Implemented API security with Azure API Management (OAuth 2.0, rate limiting, threat protection)
- Built secure CI/CD pipelines with automated scanning and Azure Key Vault secrets management, reducing deployment time by 30%
- Applied RBAC and least privilege across Azure resources, reducing security exposure by 40%
- Conducted security reviews of REST API integration patterns and created security-focused documentation (HLD, LLD, threat models)

### Willis Towers Watson (Insurance) – Azure Managed Applications:

- Designed Azure Managed Applications with security controls using Infrastructure as Code (Pulumi)
- Implemented secure AKS configurations: network policies, pod security standards, RBAC
- Established comprehensive secrets management using Azure Key Vault
- Configured Azure Monitor and Log Analytics for security event tracking and alerting

**Technologies:** Azure API Management · Azure Key Vault · Azure DevOps · GitHub Actions · REST API Security · Terraform · AKS · Pulumi · Azure Monitor · Log Analytics · C# · PowerShell

**Senior Microsoft Cloud Engineer / Technical Architect | Mainstream** | Belgrade, Serbia *September 2022 – September 2023*

Delivered secure cloud architecture with emphasis on security governance, compliance, and business continuity for regulated industries.

**Erste Bank (Banking – Regulated) – Security Hardening & Governance:**

- Enhanced Active Directory security through comprehensive assessment and remediation of vulnerabilities
- Implemented server hardening following CIS benchmarks and banking security standards
- Designed secure access controls using RBAC, MFA, and Conditional Access policies
- Established security logging and monitoring infrastructure for compliance auditing
- Conducted vulnerability assessments with coordinated remediation across environments
- Configured SCCM Software Update Point with security patch management workflows
- Achieved compliance with banking regulatory requirements

**Vivanco (Manufacturing) & Telco – Business Continuity & Disaster Recovery:**

- Designed fault-tolerant DRaaS architecture ensuring business continuity
- Implemented Azure Backup (BaaS) with encryption controls and retention policies
- Developed security policies for backup retention and access management
- Conducted risk analysis identifying and mitigating security threats across environments
- Authored comprehensive HLD/LLD documentation with integrated security focus

**Technologies:** Azure Backup · Azure Site Recovery · AD Security · Windows Server Hardening · SCCM · RBAC · MFA · Conditional Access · CIS Benchmarks

**Customer Solutions Architect (CSA) | GDC Services (ICL / Fujitsu)** | Belgrade, Serbia (Hybrid) *March 2021 – July 2022*

Designed secure cloud architectures and identity security solutions for enterprises across shipping, retail, and insurance sectors.

**Maersk Tankers (Denmark – Shipping) – Authentication Security Migration:**

- Migrated from ADFS to Pass-Through Authentication (PTA) improving overall security posture
- Designed secure authentication flows with MFA and Conditional Access policies
- Implemented secure API integrations with proper authentication and authorisation controls
- Created security architecture documentation including threat models, HLD, and LLD

**RSA Ireland (Insurance) – Enterprise Security Architecture & Cloud Adoption:**

- Implemented Azure Cloud Adoption Framework with security controls at enterprise scale
- Designed Enterprise-Scale Landing Zones with security baselines, network segmentation, and Azure Policy enforcement
- Implemented Azure DevOps CI/CD with YAML pipelines
- Developed Azure Blueprints with embedded security controls and ISO compliance validation
- Architected secure Azure migration with security assessment at each project phase

**COOP Trading (Denmark – Retail) – Hybrid Security Architecture & PKI:**

- Delivered comprehensive security architecture for hybrid cloud environment
- Conducted PKI security assessment and designed certificate management controls
- Designed secure integration architecture for cloud-to-on-premises connectivity
- Upgraded infrastructure from Server 2012 R2 to 2019 with security hardening

**Additional Clients:**

- Hartmann & Nilfisk: AD modernisation, Enterprise-Scale Landing Zones, security baselines
- Fujitsu London: MSSP architecture, security governance frameworks for multi-tenant environments

**Technologies:** Azure AD · PTA · MFA · Conditional Access · Azure Policy · Azure DevOps · CI/CD · Azure Blueprints · PKI · Cloud Adoption Framework · IaC

**Lead Technical Architect | HCL Technologies** | Stavanger, Norway

*March 2018 – March 2021*

Delivered identity security and secure infrastructure architecture for Fortune 500 clients across Europe, specialising in Azure Cloud Services, Active Directory, and Data Centre Migrations.

#### **Equinor (Norway – Energy) – Secure Data Management:**

- Implemented secure Azure SQL with encryption at rest and in transit
- Designed secure configuration management using SCCM v1802 as Technical Lead

#### **DNB Bank (Norway – Banking) – Infrastructure Security & Data Protection:**

- Implemented database encryption for sensitive banking data
- Designed high-availability DHCP Failover Cluster with security hardening
- Enhanced IAM using Active Directory with RBAC and GPO security controls
- Conducted security assessments for SaaS integrations and deployed secure web application infrastructure

#### **UPM (Finland – Manufacturing) – Zero Trust Implementation:**

- Implemented Zero Trust architecture using Azure AD, Azure PIM, RBAC, and Conditional Access
- Conducted AD security assessment identifying critical vulnerabilities
- Designed identity governance with Privileged Access Management (PAM)
- Implemented Rights Management Services (RMS) for data protection
- Created security architecture documentation (HLD/LLD)

#### **Anglo-American (UK – Mining) – Identity Security & Secure Access:**

- Delivered Azure AD SSO with strong authentication and Conditional Access policies
- Implemented Azure AD Application Proxy for secure remote access
- Configured PIM for administrative access governance

#### **easyJet (UK) – Modern Deployment & Security:**

- Spearheaded modern deployment with Windows Autopilot, Microsoft 365, and Windows 10 Security
- Delivered ADFS, SCCM, and GPO configuration with security hardening

#### **Unilever (UK) – Directory Services Architecture:**

- Developed AD DS Low-Level Design to optimise directory services architecture including Azure AD integration (5 Forests)

#### **Additional Clients:**

- EDF Luminus (Belgium): AD/ADFS security, PKI design, Azure AD integration
- LEO Pharma (Denmark): Azure MFA, RBAC, Conditional Access

**Technologies:** *Azure AD · Azure PIM · RBAC · Conditional Access · Azure AD App Proxy · PKI · Database Encryption · AD Security · ADFS · MFA · SCCM · RMS · Zero Trust*

#### **Active Directory Specialist – Architect | Rogaland County Council | Stavanger, Norway February 2016 – March 2018**

Government Sector: Delivered secure infrastructure architecture for Norwegian government entity with focus on identity security, secure remote access, and hybrid cloud implementation.

#### **Security Architecture Deliverables:**

- Active Directory Design: Architected secure AD infrastructure with security hardening and access controls
- PKI Design: Designed Public Key Infrastructure for certificate-based authentication and secure communications
- DirectAccess Design: Implemented secure remote access solution with always-on VPN and device authentication
- Hybrid Cloud Security: Architected secure hybrid cloud implementation combining on-premises and Azure services

#### **Azure Cloud Security – Proof of Concept:**

- Designed secure Azure IaaS, PaaS, and SaaS architectures
- Implemented Azure Data Lake with secure data handling and access controls
- Configured Azure Stream Analytics with secure data pipelines
- Deployed Azure SQL Database Elastic Pools with encryption and RBAC

**Technologies:** *Active Directory · PKI · DirectAccess · Azure IaaS/PaaS/SaaS · Azure Data Lake · Azure Stream Analytics · Azure SQL*

## Senior Information Technology Consultant | **EVRY** | Stavanger, Norway January 2012 – November 2015

Delivered enterprise security architecture and infrastructure solutions for Norwegian enterprises across banking, energy, and government sectors. Clients included DNB Bank, SpareBank1, NATO, Petoro, Gjensidige, Storebrand, and Oljedirektoratet.

### Security Architecture & Delivery:

- Designed PKI solutions for NATO, Petoro, University of Stavanger (UiS), and Premier Oil
- Delivered secure authentication solutions: DirectAccess, RADIUS, and certificate-based security
- Implemented SQL encryption and Failover Clustering for DNB Bank and SpareBank1
- Designed secure DHCP infrastructure with failover capabilities for banking clients
- Conducted security assessments and developed remediation strategies for enterprise environments

### Cloud Platform Security:

- Architected hybrid cloud (Azure IaaS, PaaS, SaaS) with integrated security controls
- Implemented Azure Data Lake and Azure Stream Analytics with secure data handling
- Designed high-availability datacentre infrastructure achieving 4–5 nines uptime

### Pre-Sales Security Architecture:

- Provided security expertise for large enterprise bids and proposals
- Developed security-focused proposals, assessments, HLDs, and LLDs
- Conducted architecture design sessions with enterprise stakeholders

**Technologies:** PKI · Certificate Authority · DirectAccess · ADFS · SQL Encryption · Failover Clustering · System Center 2012 · Azure IaaS/PaaS

## Information Technology Specialist | **Tölvulistinn** | Reykjavik, Iceland January 2007 – October 2011

Full-time on-site IT specialist delivering infrastructure support, Windows Server and Active Directory administration, Exchange Server maintenance, VPN administration, and pre-sales technical assistance.

**Technologies:** Windows Server 2003/2008 · Active Directory · Exchange Server 2003 · SCCM 2007 · VPN · Windows XP/7/8

## EDUCATION

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**Bachelor of Science** | University of Niš, Serbia | 2005

**Computer Science High School** | Reykjavik, Iceland | 2007 – 2011

## LANGUAGES

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English: Native • Norwegian: Advanced (B2) • Serbian/Bosnian/Croatian: Native

## SELECTED PUBLICATIONS

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- "Azure Well-Architected Framework: Practical Use Cases" – LinkedIn Article
- "Implementing Enterprise-Scale Landing Zones" – LinkedIn Article
- "Zero Trust Security Model in Azure" – LinkedIn Article
- "Containerized Deployments with Kubernetes" – LinkedIn Article
- "Optimizing Azure API Management in Microservices Architectures" – LinkedIn Article

More publications available at: [LinkedIn Articles](#)